

FIG. 1

Pub. No. 2004/012660

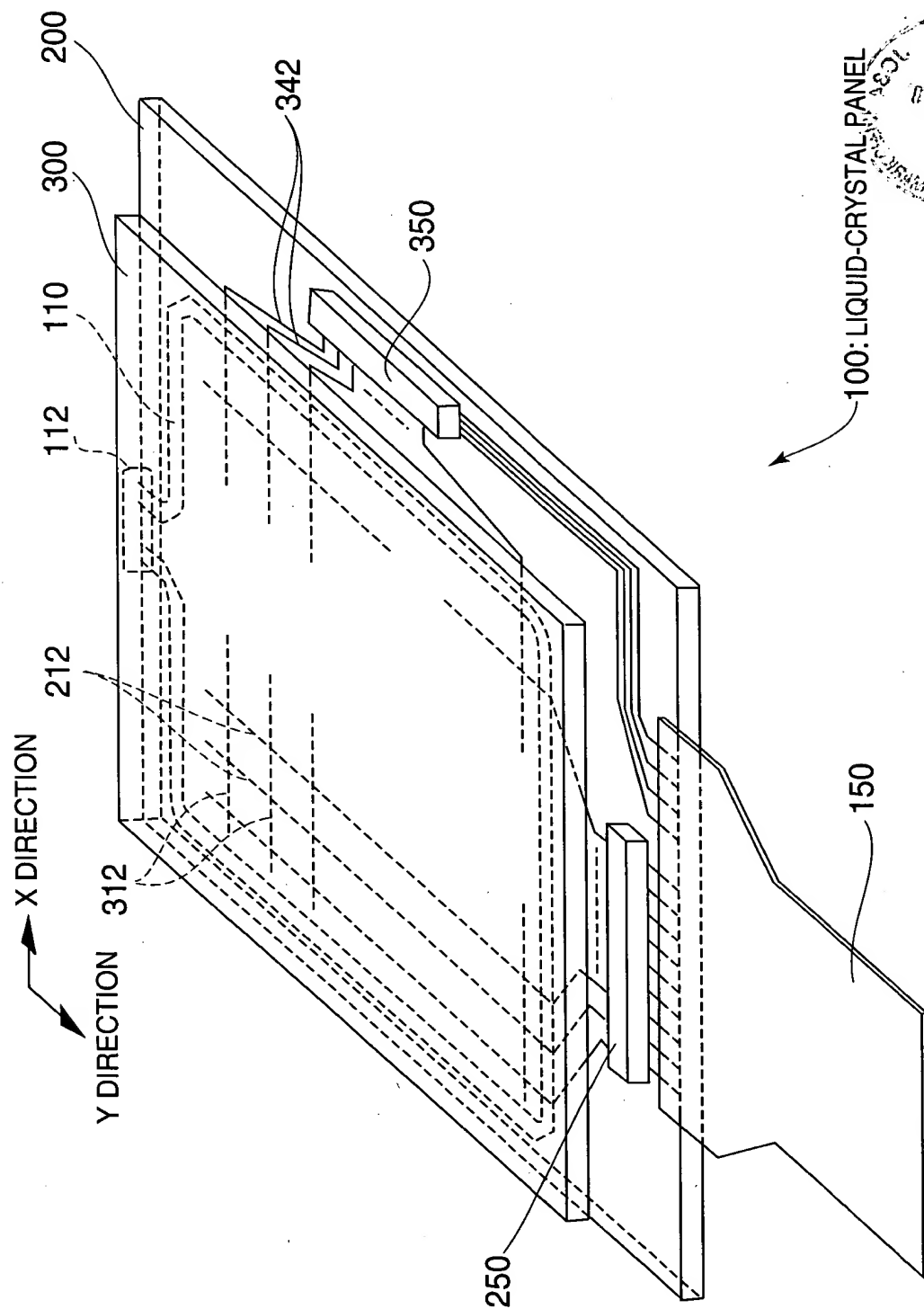


FIG. 2

0001583 E85T2660

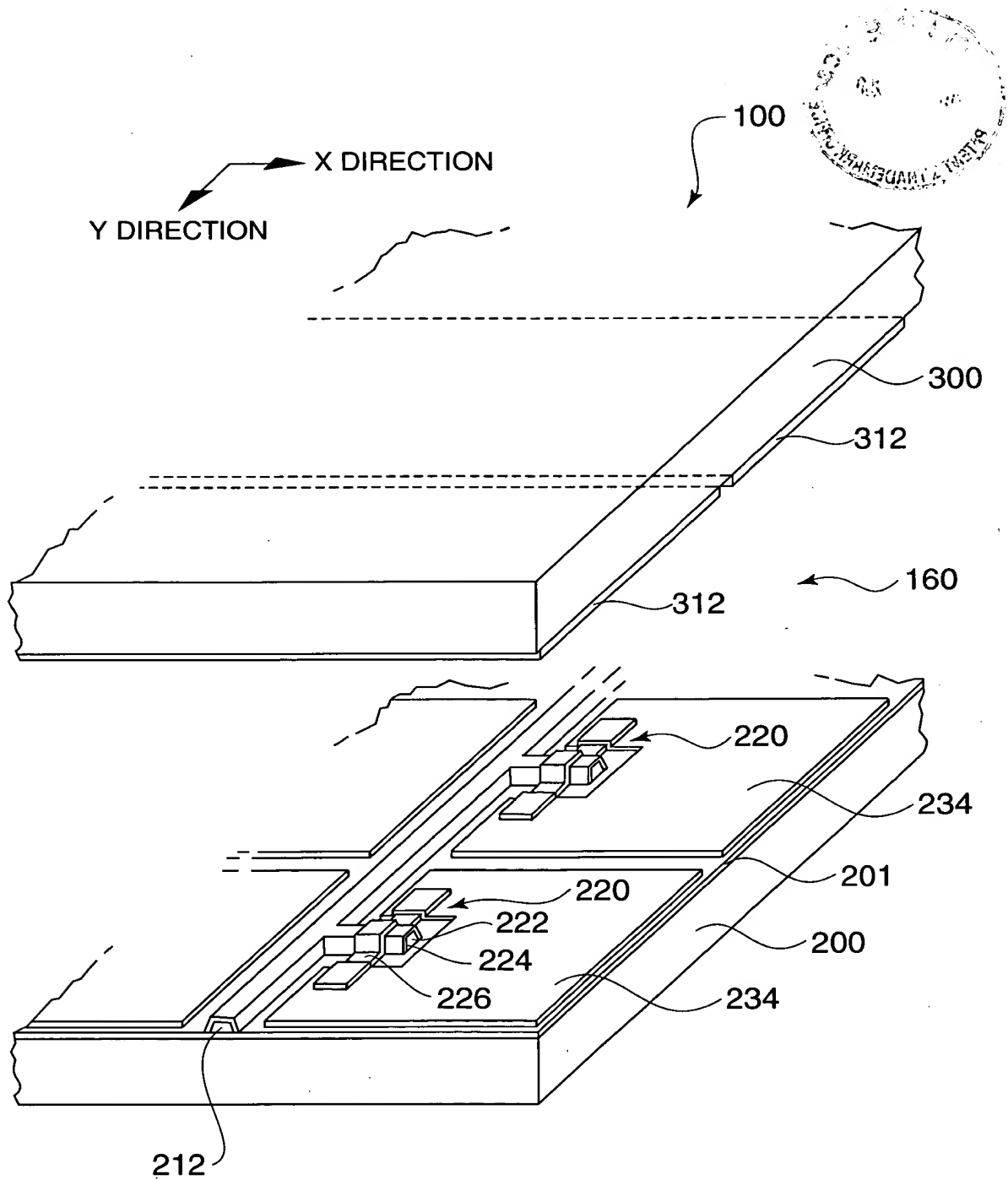


FIG. 4

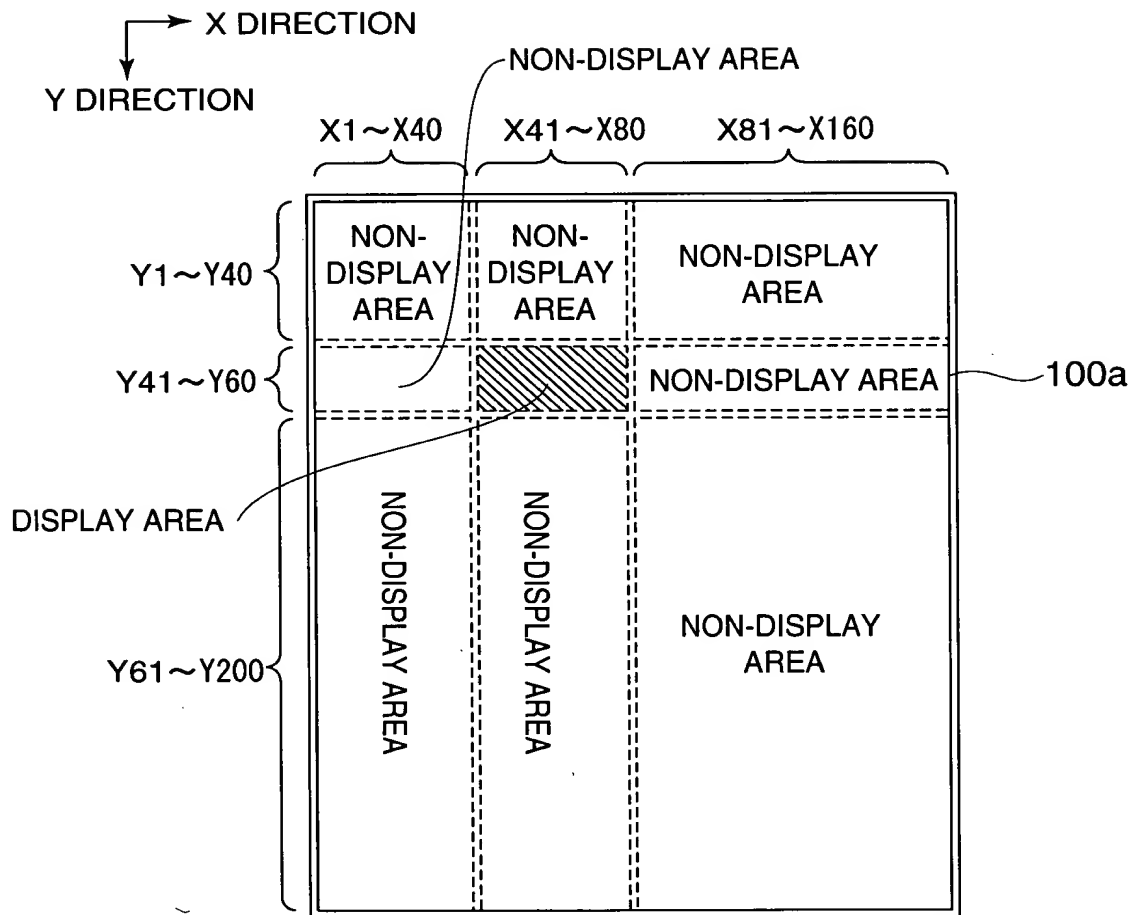


FIG. 5

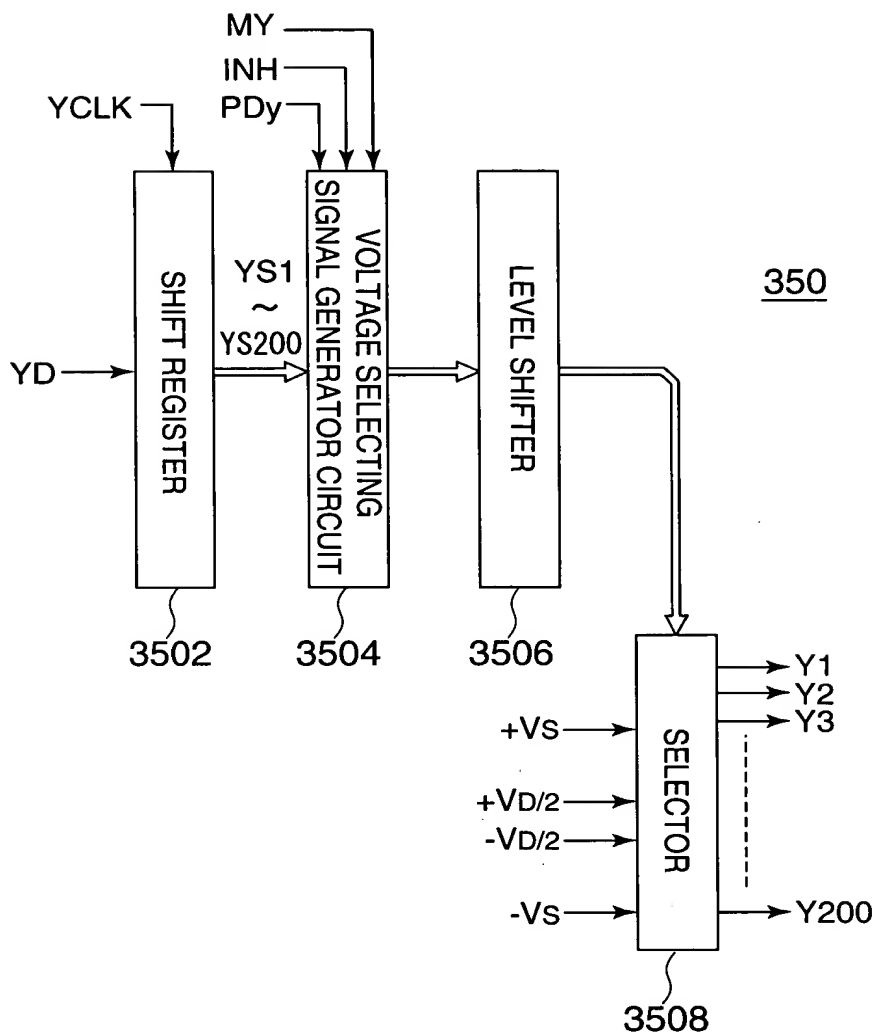


FIG. 6

09921583 111301

<Y SIDE: STANDARD MODE>

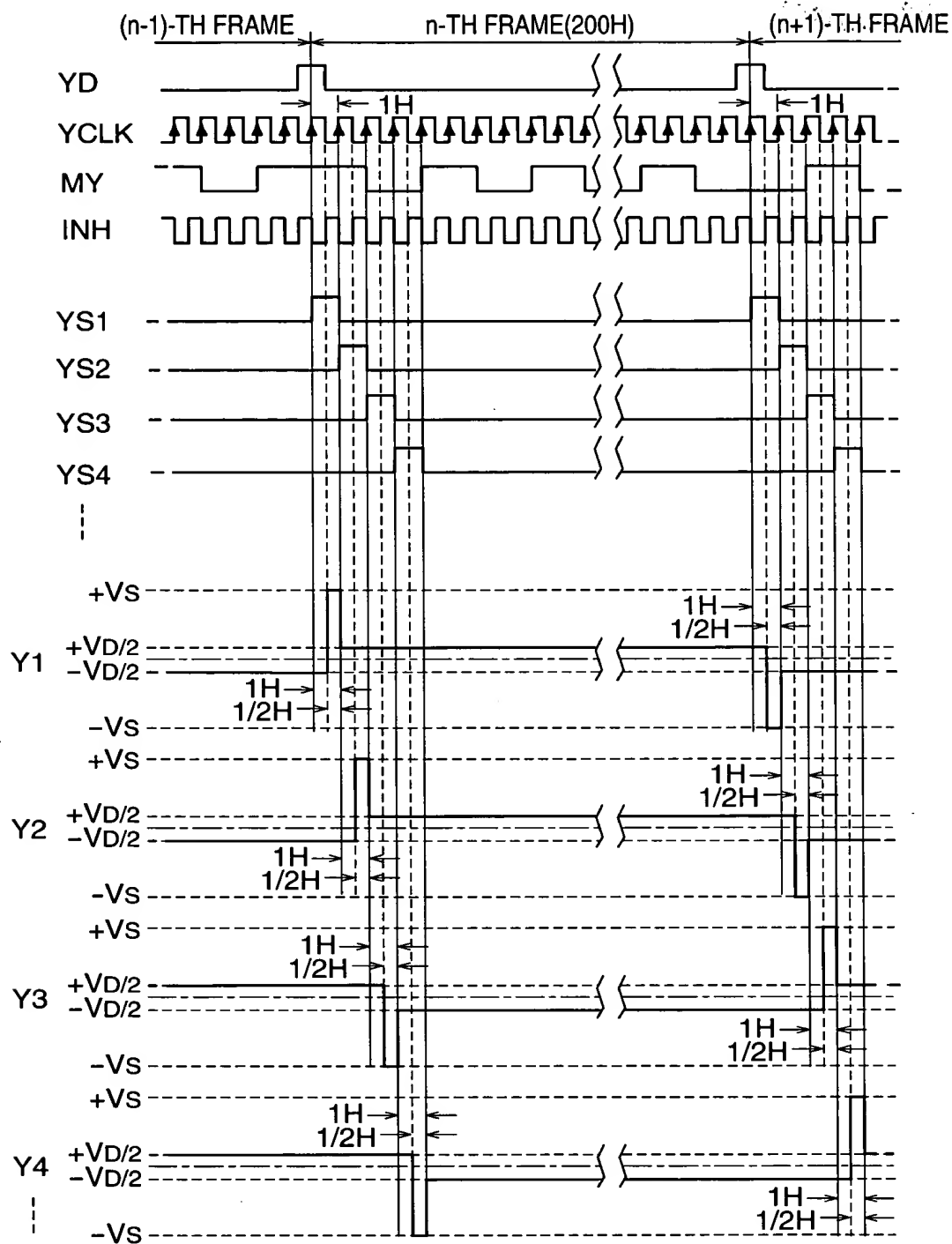


FIG. 7

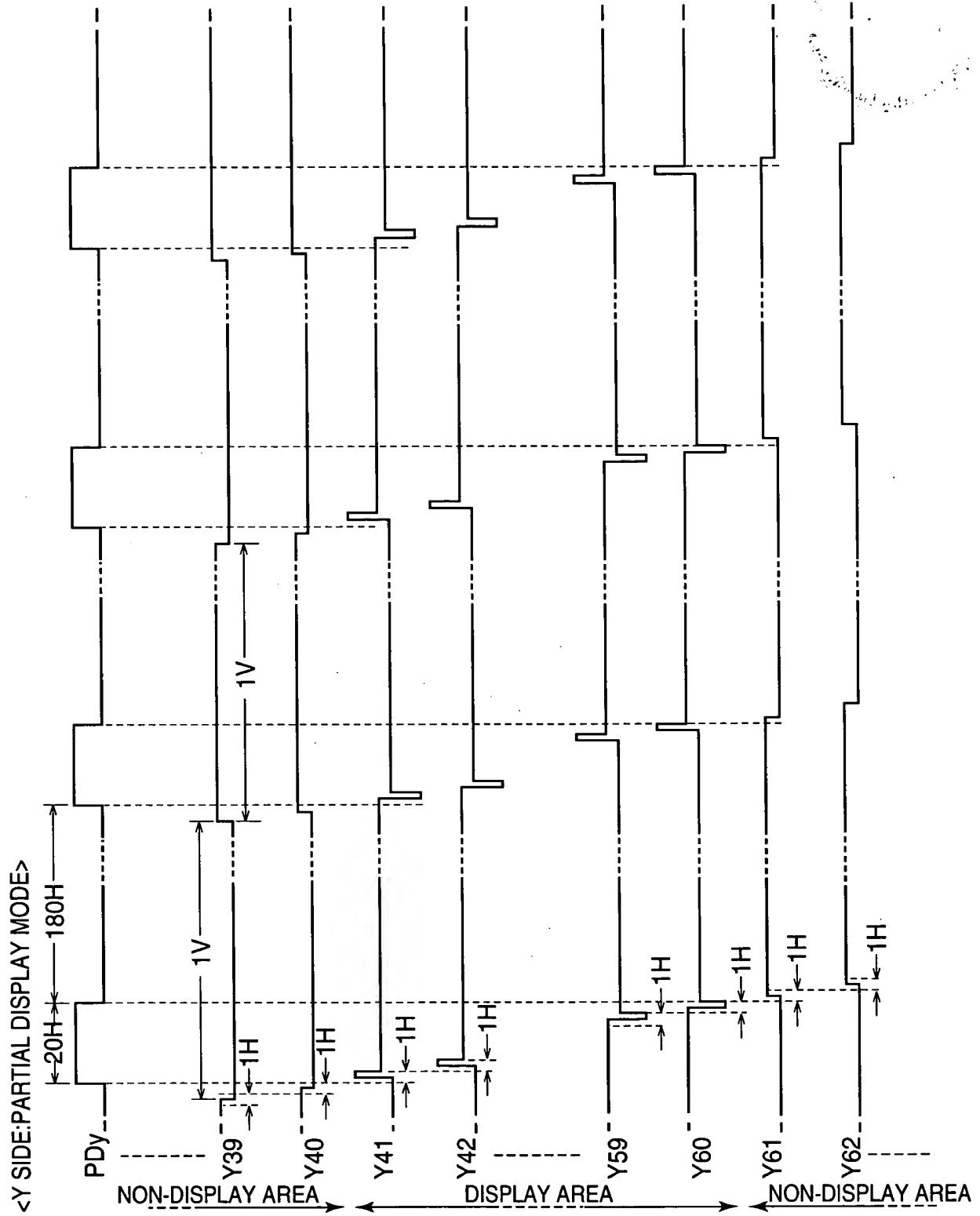


FIG. 8

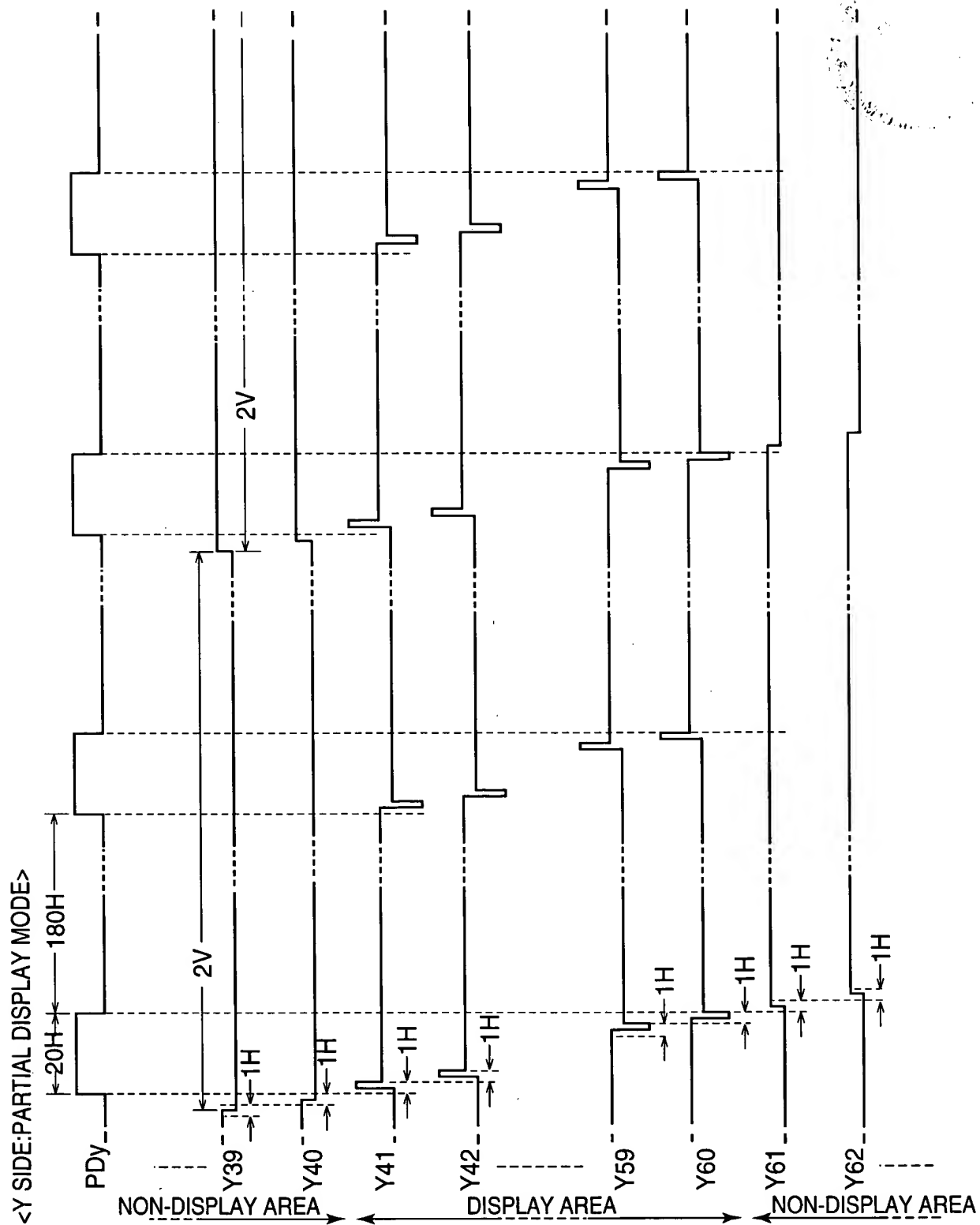


FIG. 9



250

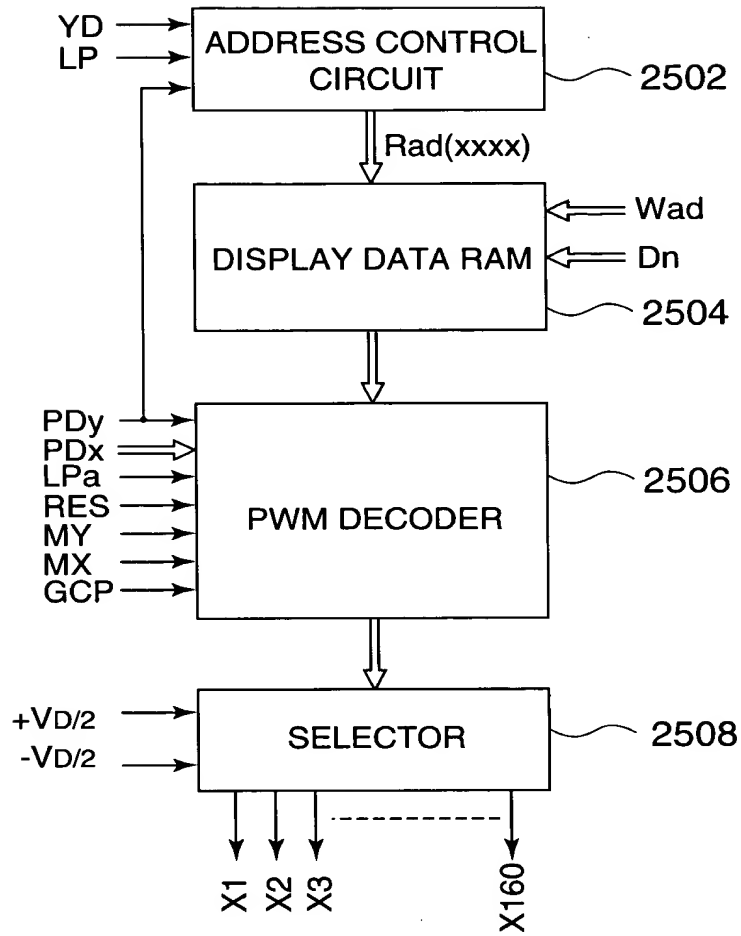


FIG. 10

FIG. 10

<X SIDE: PARTIAL DISPLAY MODE>

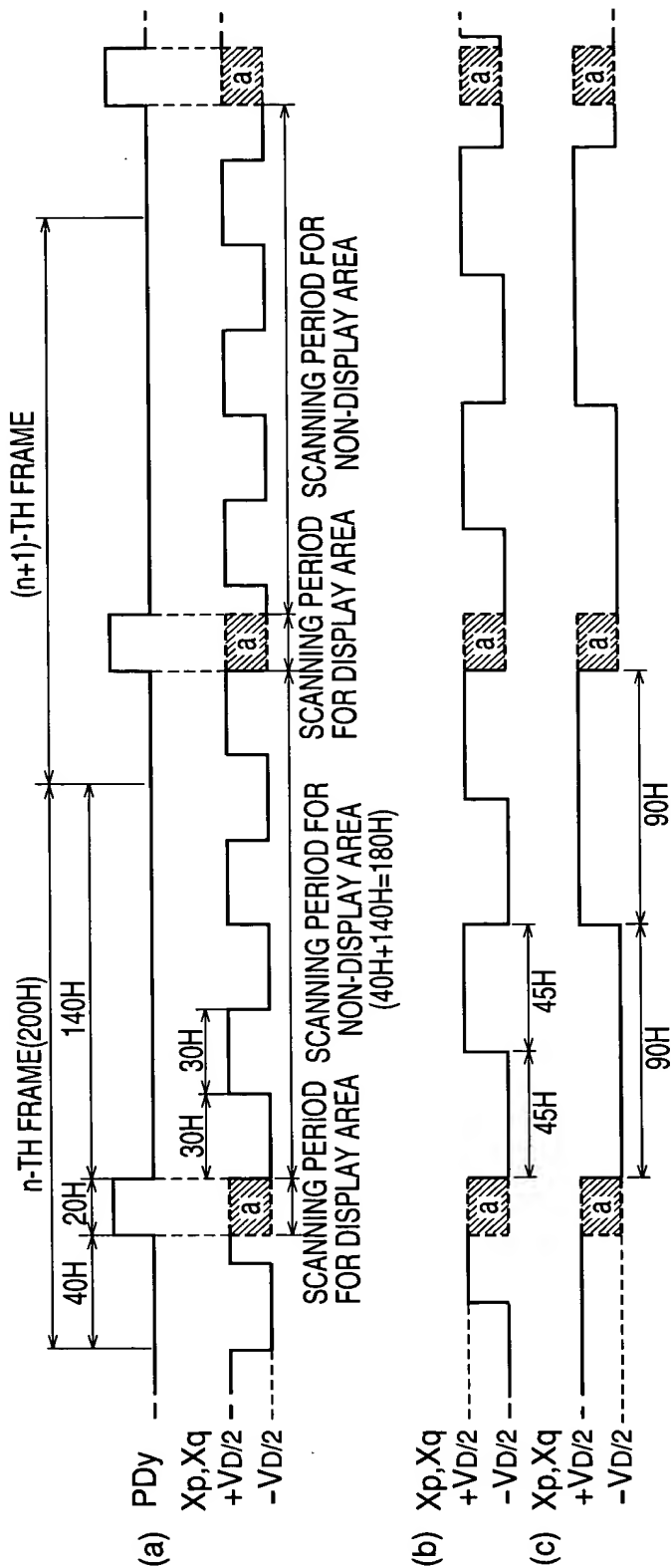
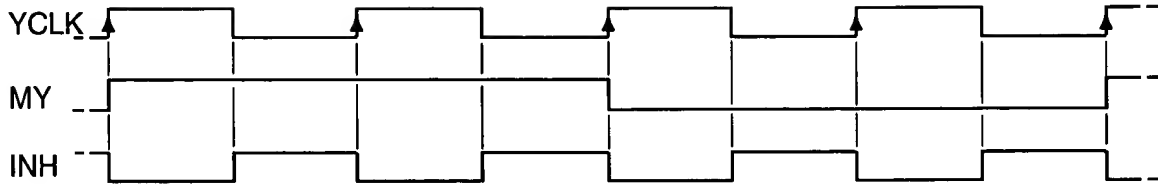


FIG. 11

<Y SIDE>



<X SIDE>

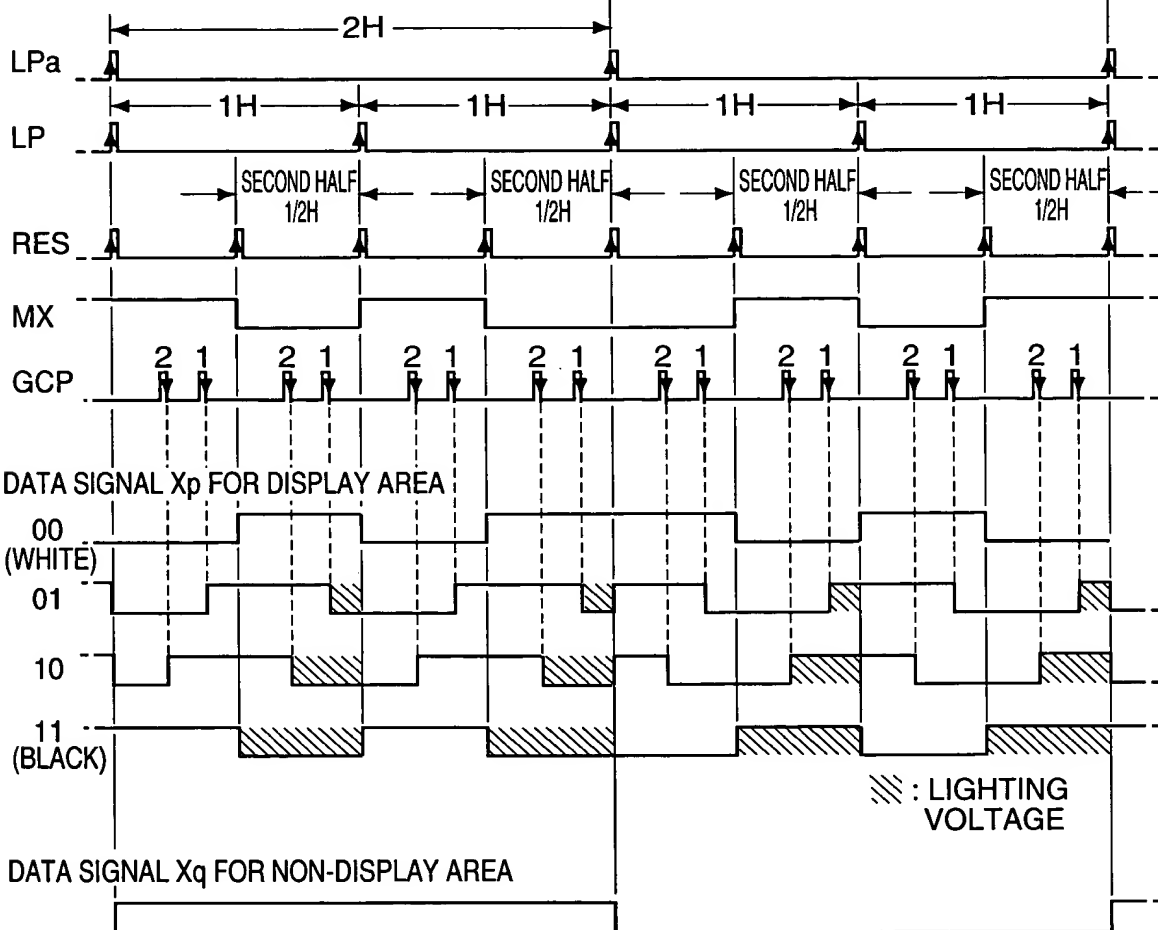


FIG. 12

<1/2H SELECTED, 2H INVERTED>

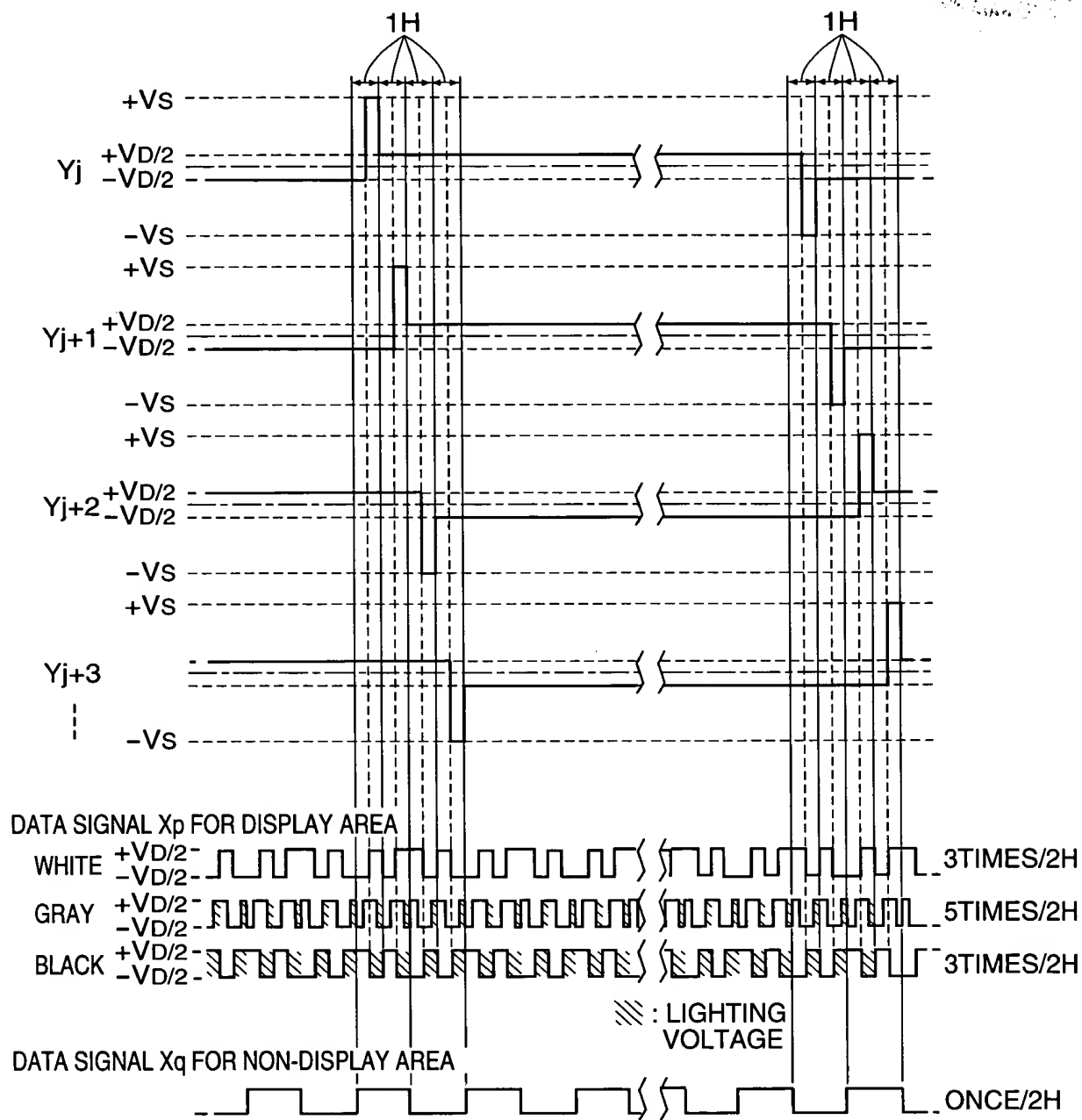
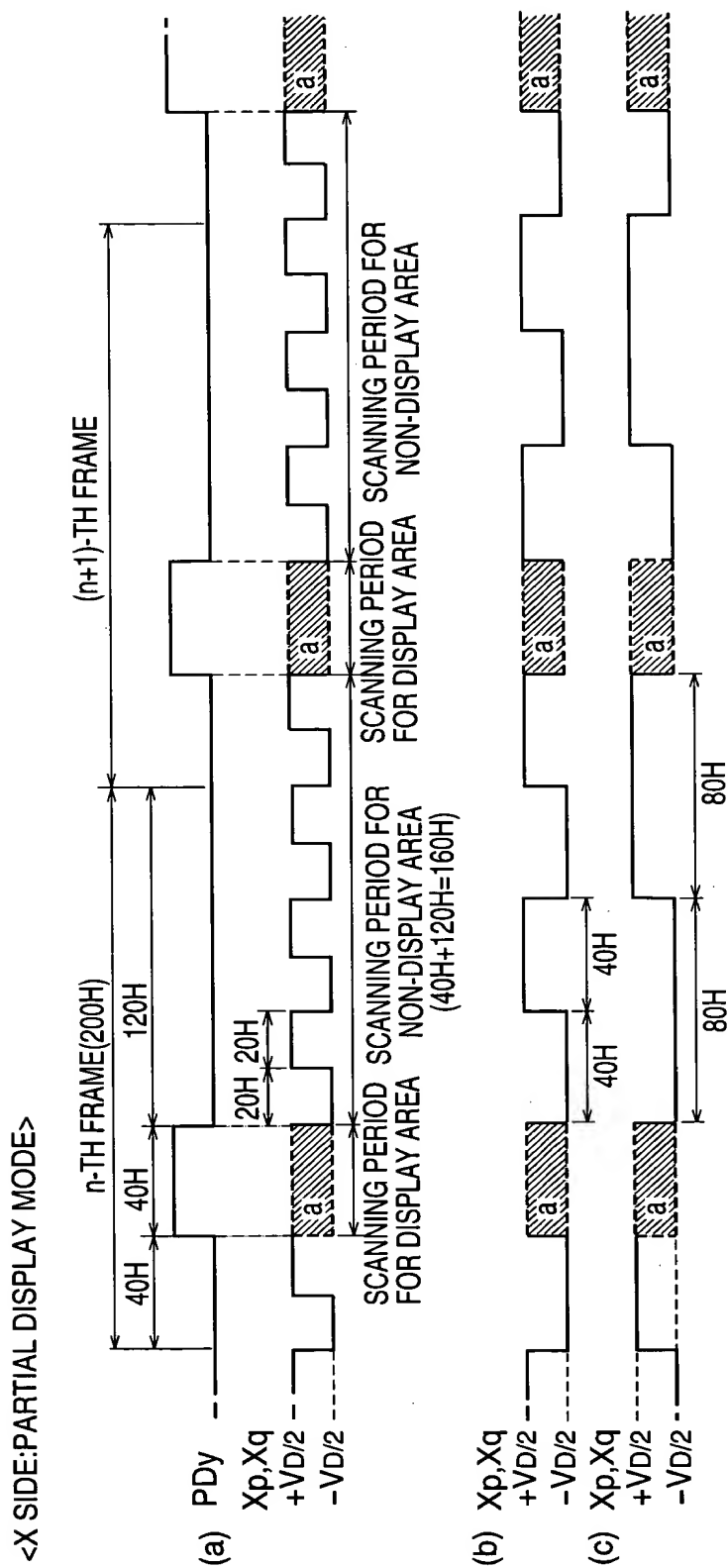


FIG. 13



<1/2H SELECTED, 4H INVERTED>

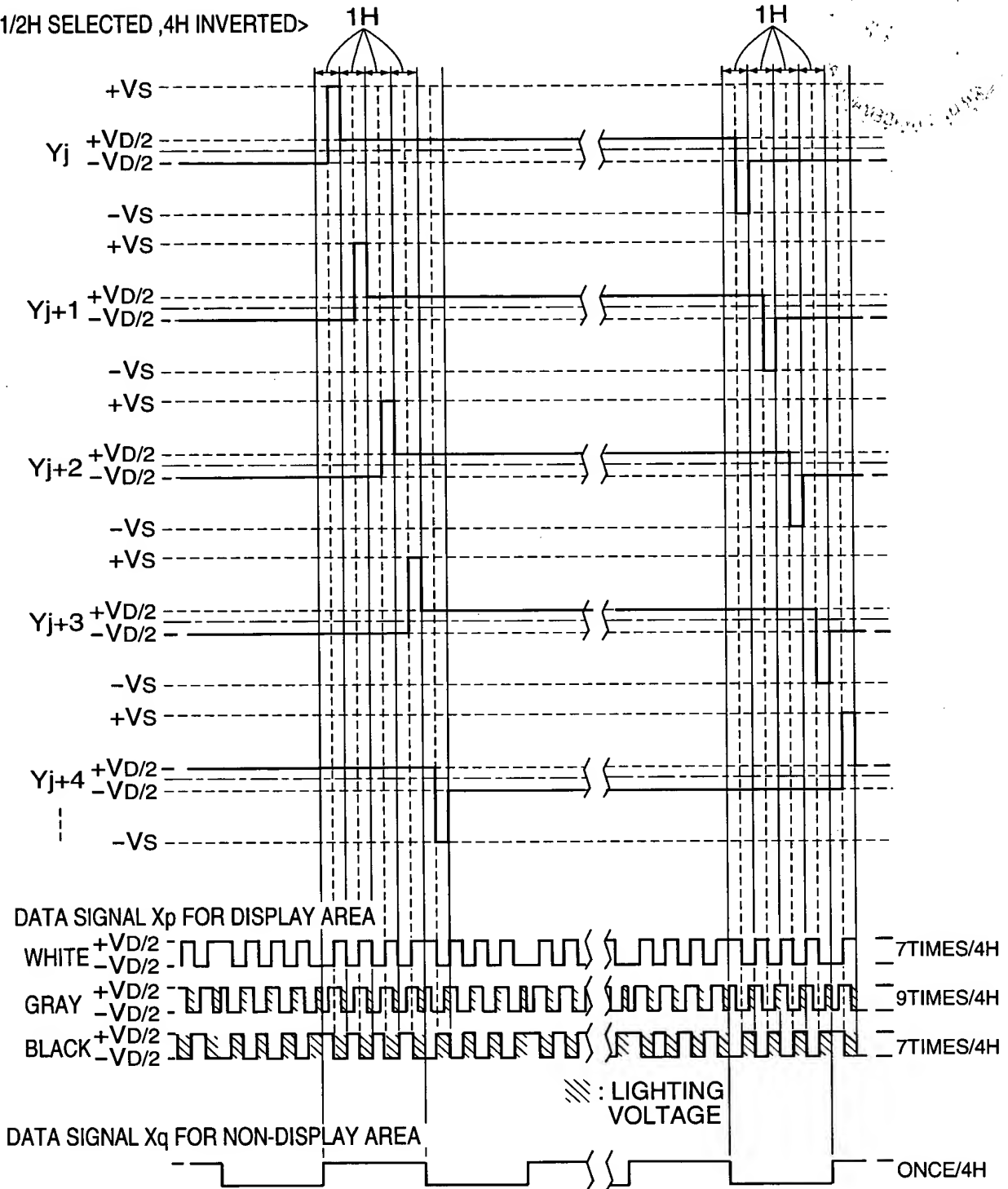


FIG. 16

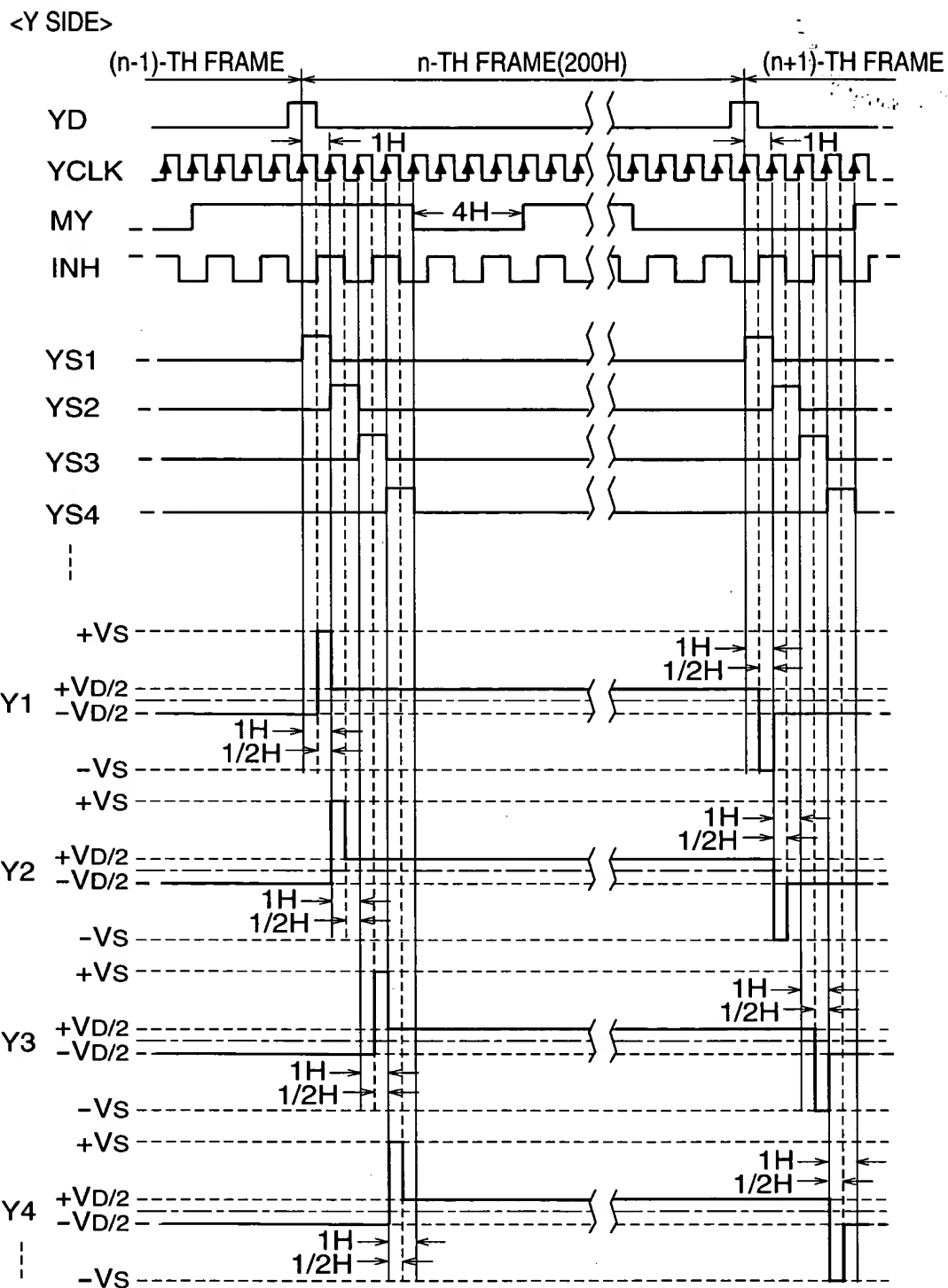
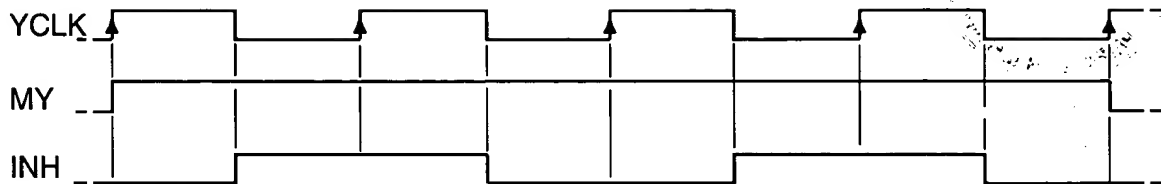


FIG. 17

<Y SIDE>



<X SIDE>

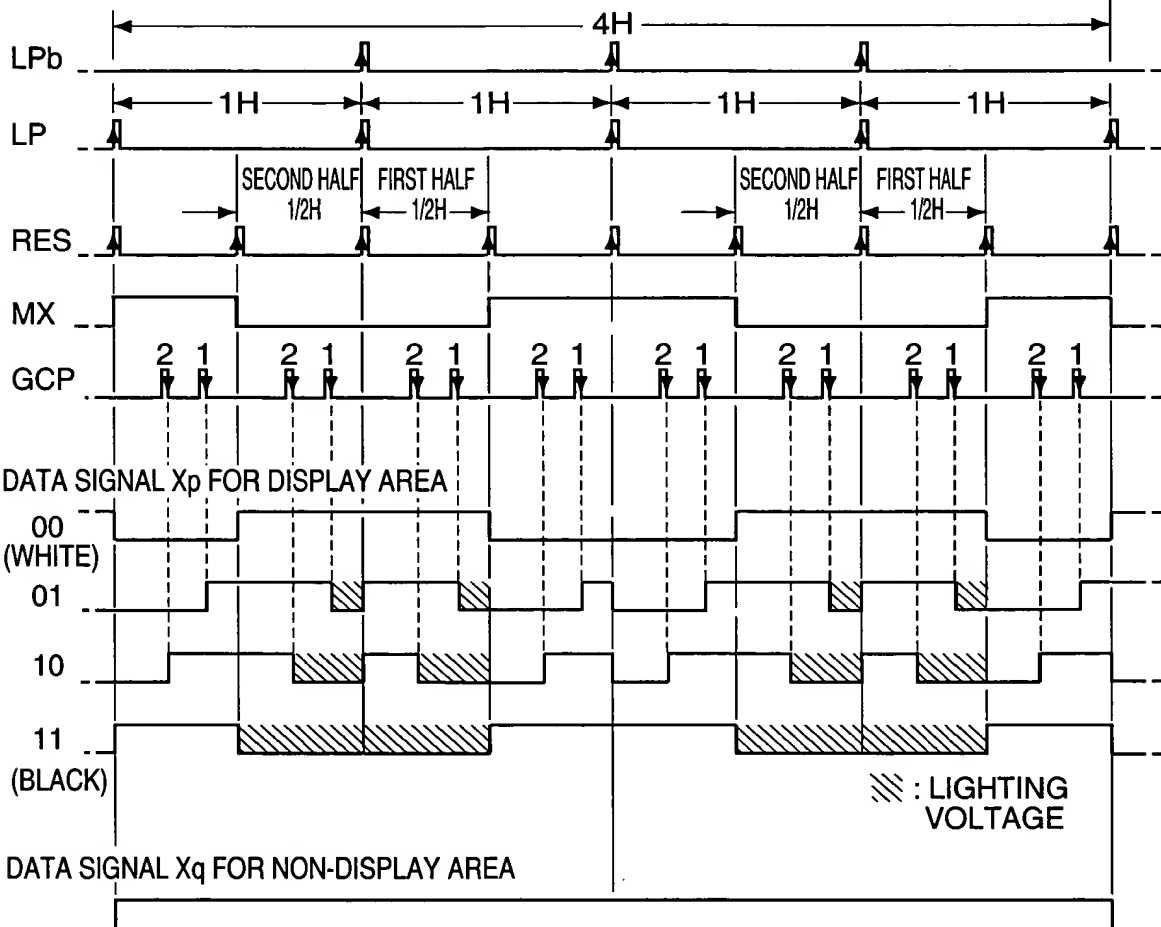


FIG. 18

<1/2H SELECTED, 4H INVERTED, FIRST AND SECOND HALVES >

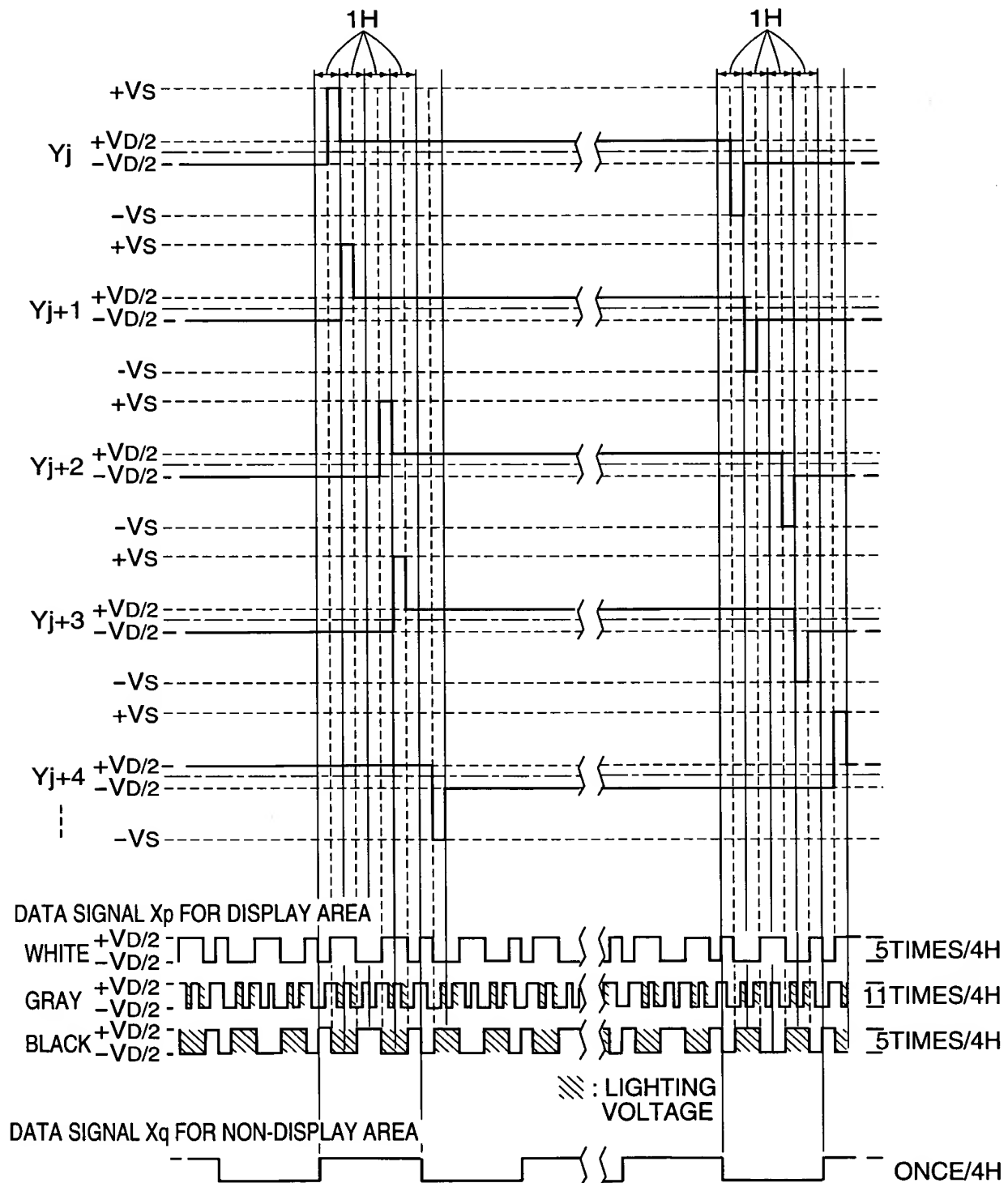
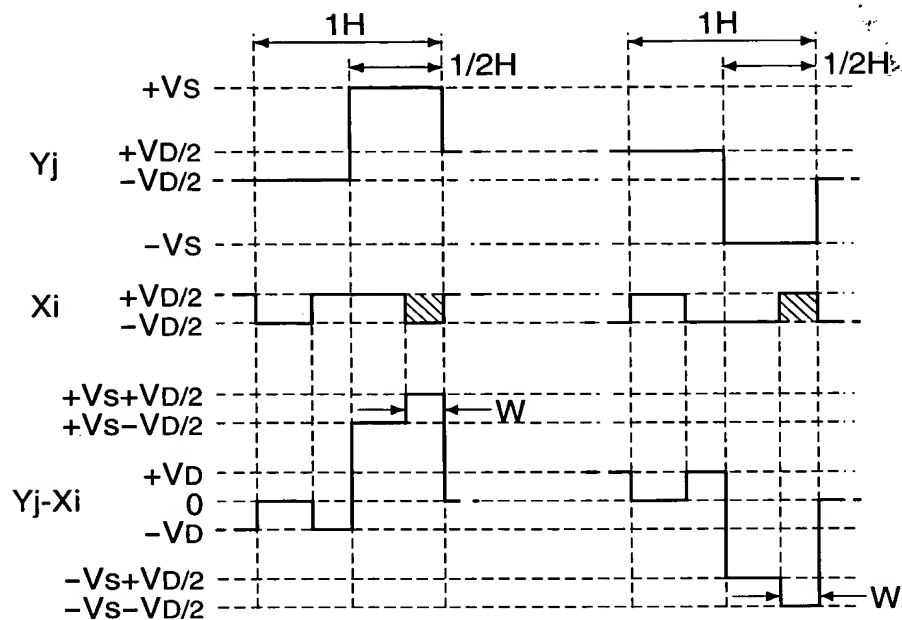
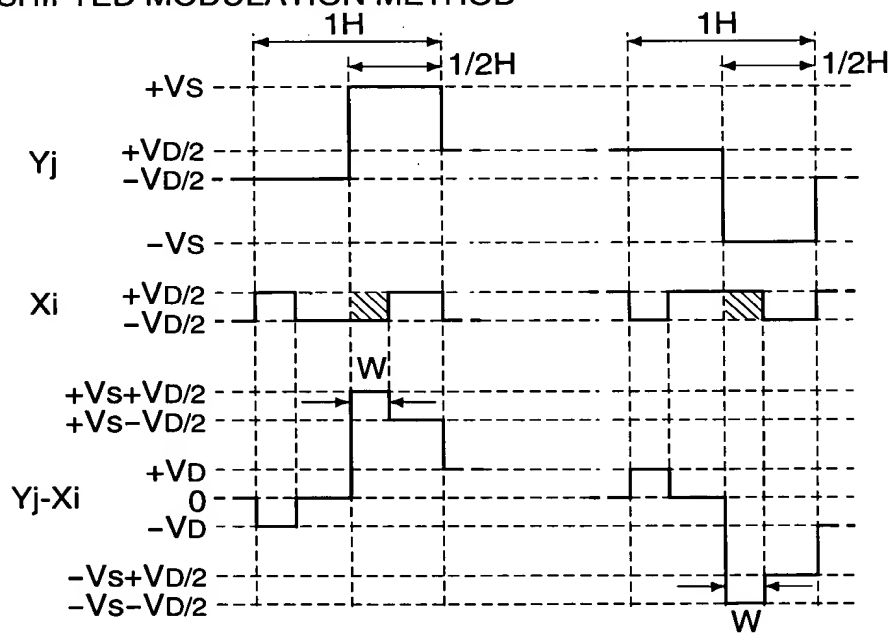


FIG. 19

(a) RIGHT-SHIFTED MODULATION METHOD



(b) LEFT-SHIFTED MODULATION METHOD



/// : LIGHTING VOLTAGE

FIG. 20

<Y SIDE>

YCLK_

MY

INH

<X SIDE>

LPc

LP

RES

MX

GCPR

GCPL

DATA SIGNAL Xp FOR DISPLAY AREA

00 --
(WHITE)

01

10

11 --
(BLACK)

DATA SIGNAL Xq FOR NON-DISPLAY AREA

/// : LIGHTING
VOLTAGE

FIG. 21

<1/2H SELECTED, 4H INVERTED, FIRST AND SECOND HALVES (LEFT-SHIFTED, RIGHT-SHIFTED) >

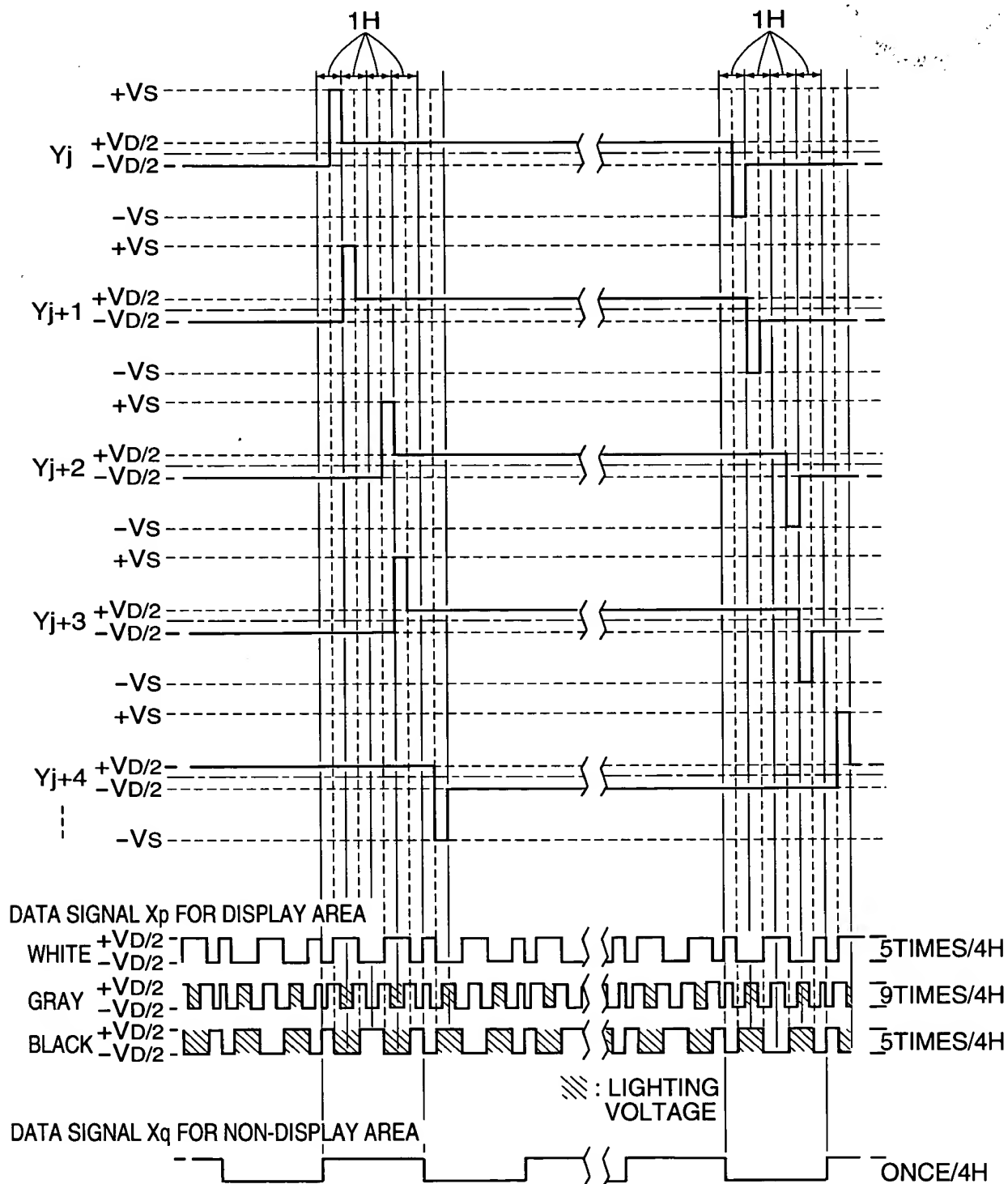


FIG. 22

09021533-11304
10E11-23512660

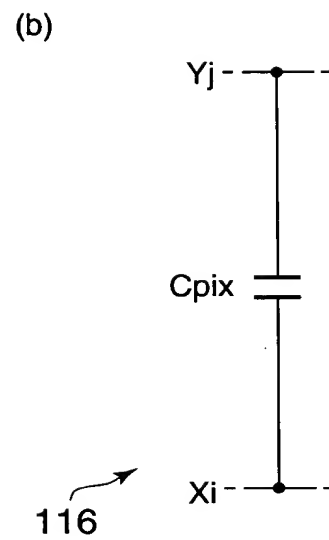
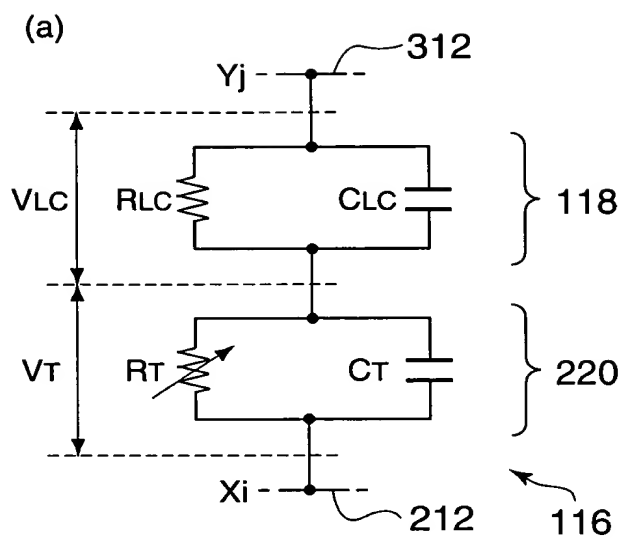


FIG. 23

<FOUR-VALUE DRIVING (1H SELECTED, 1H INVERTED)>

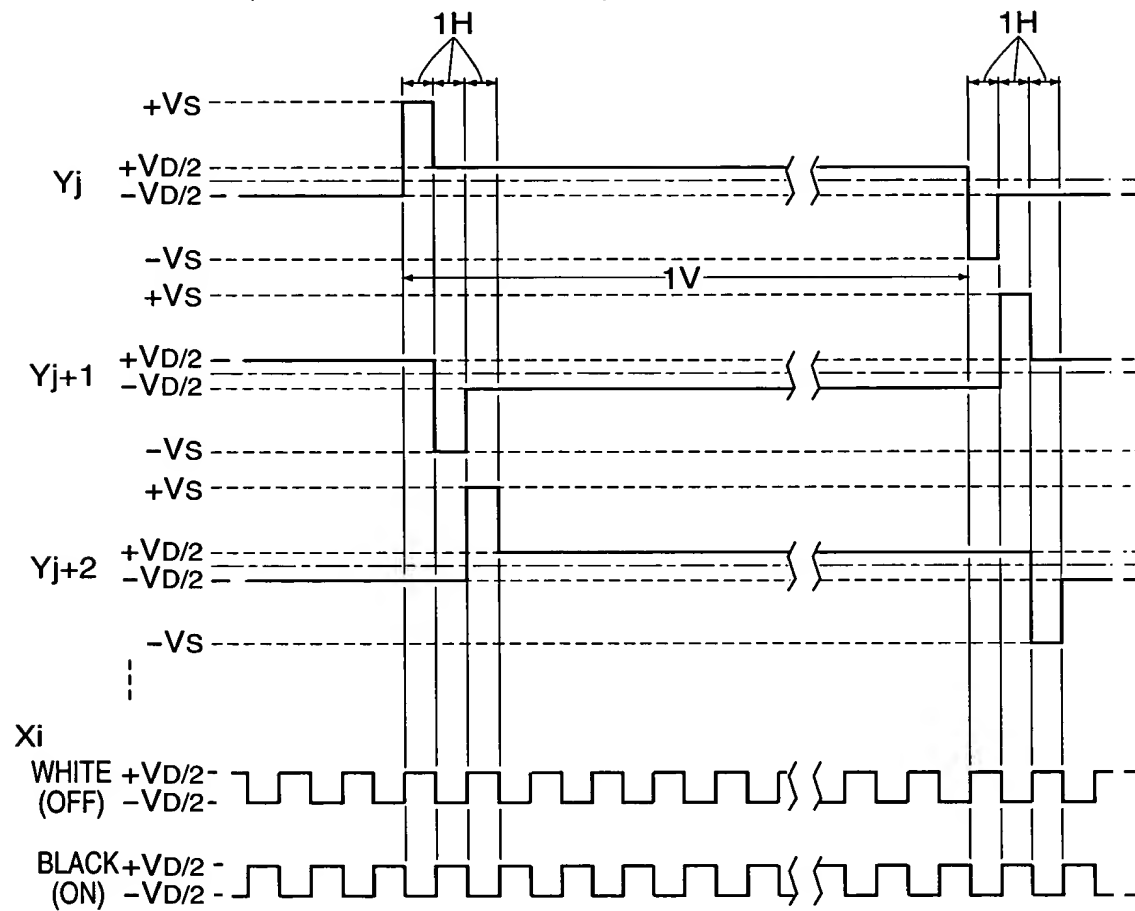


FIG. 24

FIG. 25

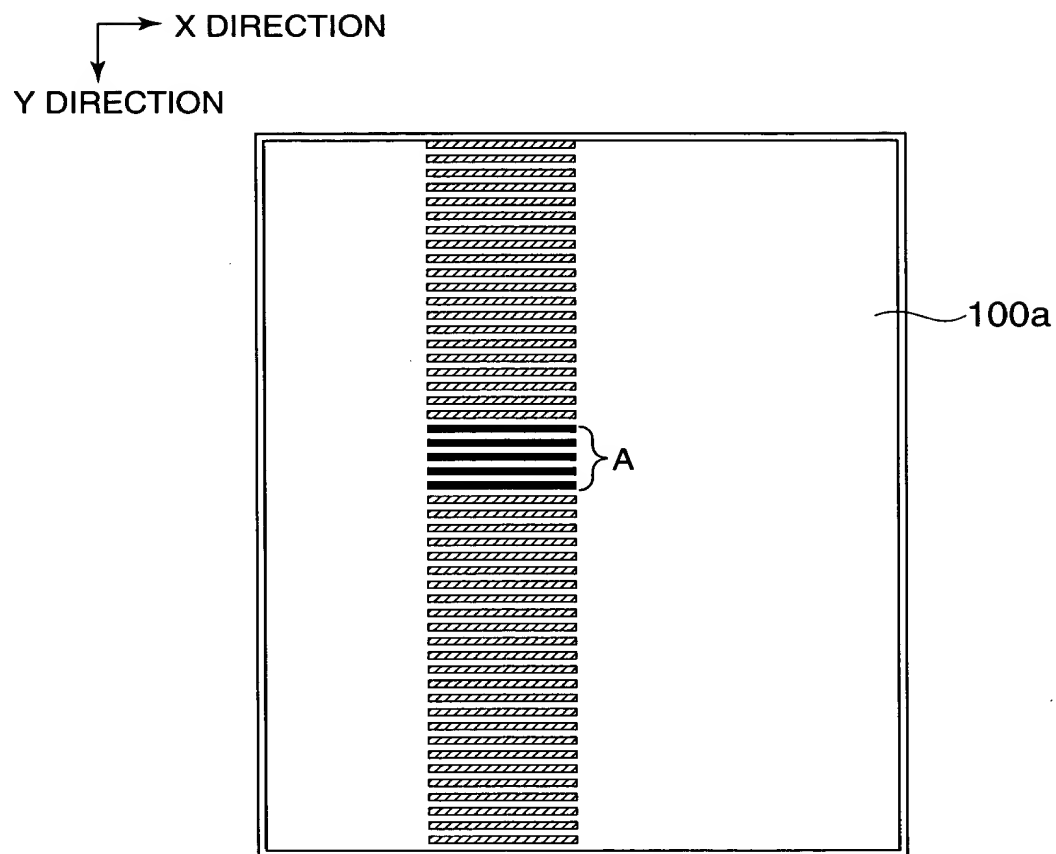


FIG. 25

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99



FIG. 26

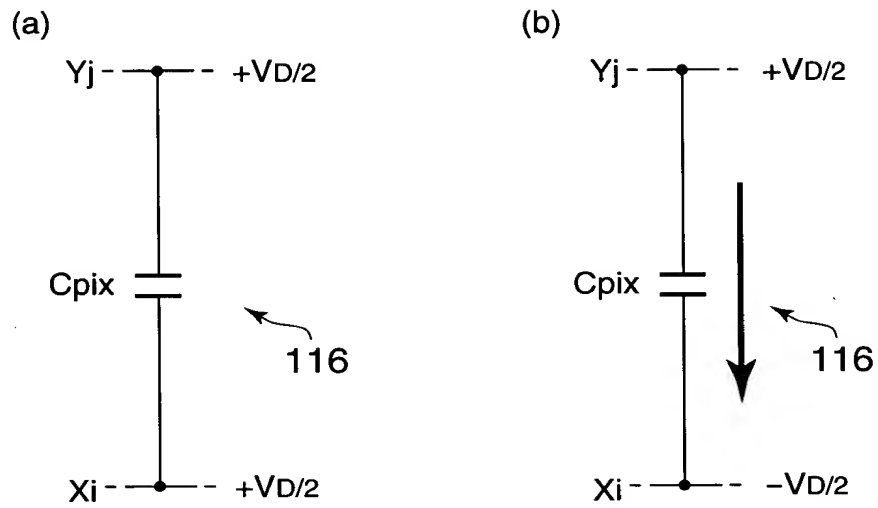


FIG. 27

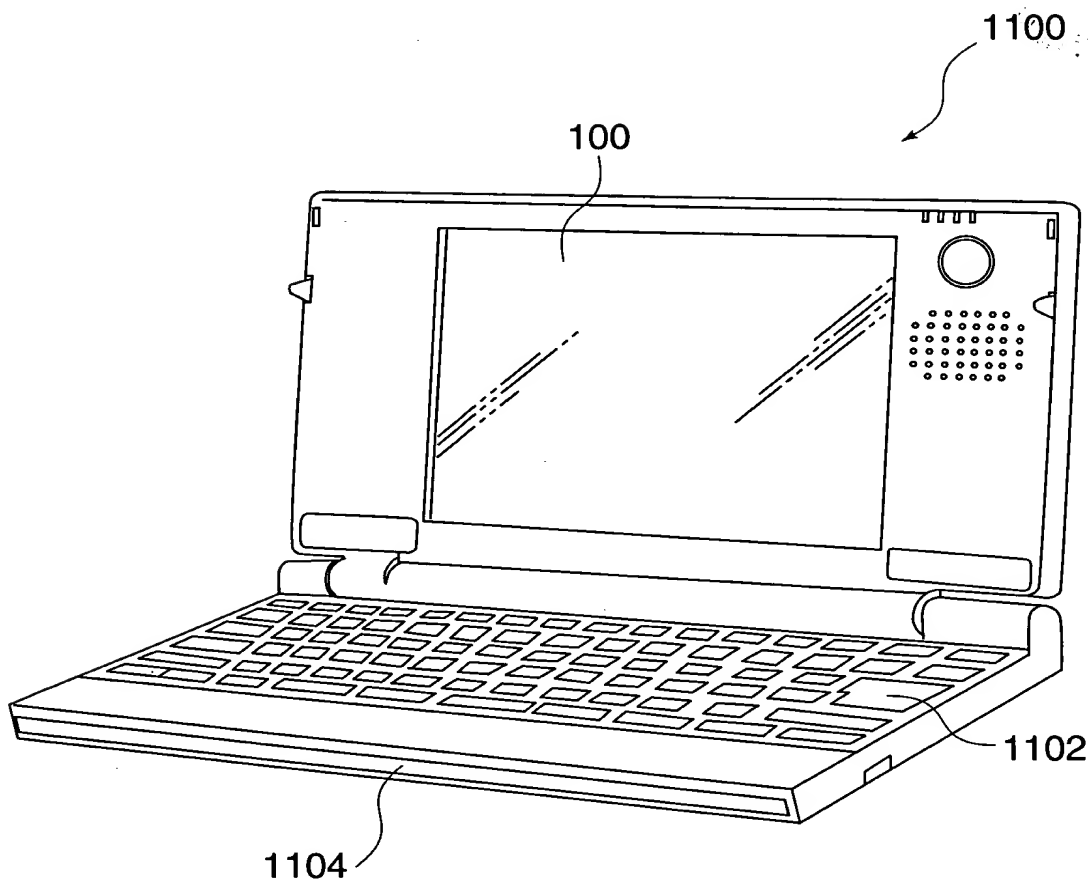


FIG. 28

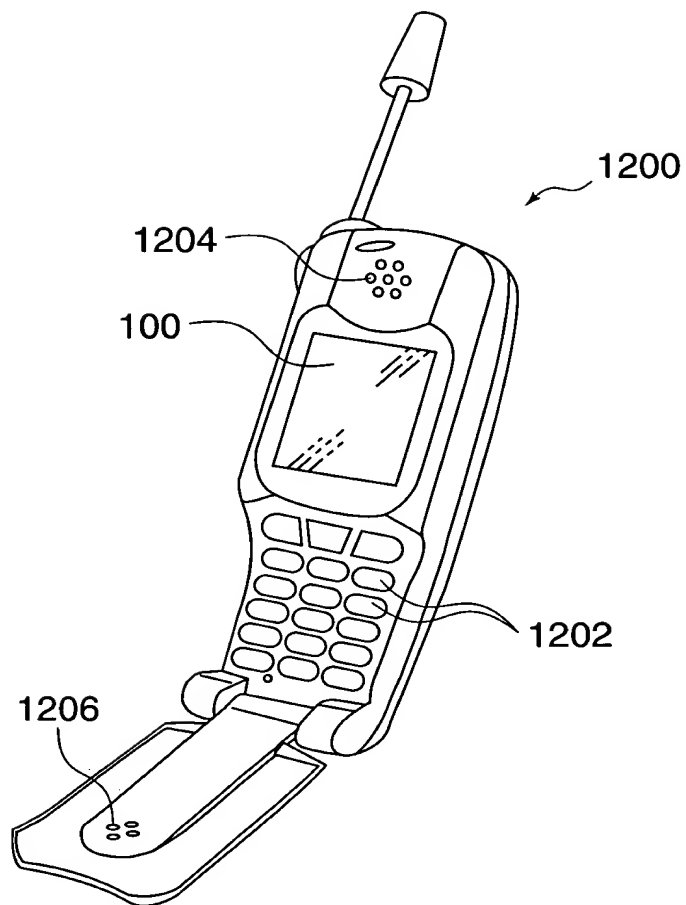


FIG. 29

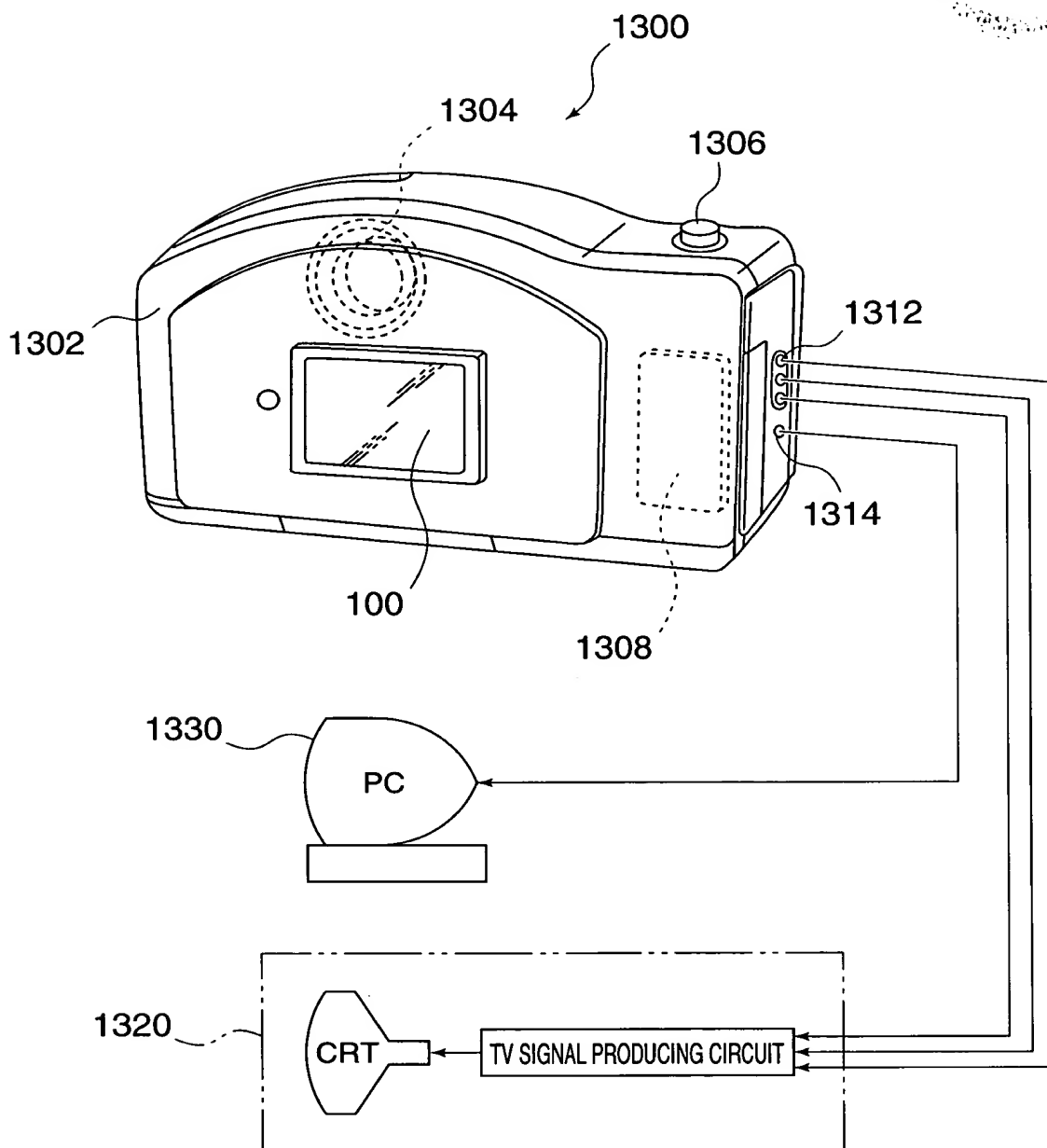


FIG. 30

X DIRECTION
Y DIRECTION

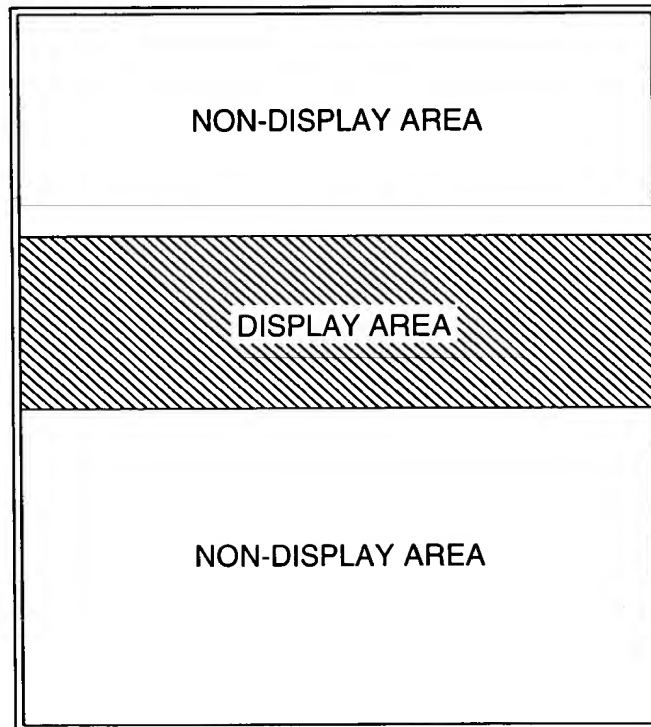


FIG. 31